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| Variable Name | Definition |
| Participant | Participant ID |
| Trial | Trial ID |
| Correct1 | Whether the participant chose the correct item (1) on the first choice or not (0) |
| CorrectKey | Correct item (‘left’ or ‘right’) |
| Response1 | Chosen item (‘left’ or ‘right’) on first choice |
| RT1 | Response time in seconds of first choice |
| DotDifference | Dot difference between two circles |
| DotNumberLeft | Number of dots in left circle |
| DotNumberRight | Number of dots in right circle |
| Conf1 | Confidence rating in first choice, ranging from 0 to 1 |
| Conf1\_RT | Response time of confidence rating in first choice in seconds |
| CipResponse | Key presses during sampling phase |
| CipRT | Response time in seconds for each key press during sampling phase |
| Correct2 | Whether the participant chose the correct item (1) on the second choice or not (0) |
| Response2 | Chosen item (‘left’ or ‘right’) on second choice |
| RT2 | Response time in seconds on second choice |
| Conf2 | Confidence rating in second choice, ranging from 0 to 1 |
| Conf2\_RT | Response time of confidence rating in second choice in seconds |
| ZConf1 | Confidence rating in the first choice, z-transformed at the participant level |
| ZConf2 | Confidence rating in the second choice, z-transformed at the participant level |
| Switch | The number of times participants switched to look at another circle |
| ZSwitch | Switch, z-transformed at the participant level |
| ZDifficult | Absolute dot difference between two circles, z-transformed at the participant level |
| Block | Block number, 8 in total |
| NonAbsDiff | Dot difference between the two circles, calculated as Left – Right |
| ZNonAbsDiff | Dot difference between the two circles, calculated as Left – Right, z-transformed at the participant level |
| LeftTime | Time spent viewing the left circle in the sampling phase in seconds |
| RightTime | Time spent viewing the right circle in the sampling phase in seconds |
| ChosenTime | Time spent viewing the circle chosen initially in the sampling phase in seconds |
| UnchosenTime | Time spent viewing the circle *not* chosen initially in the sampling phase in seconds |
| Change | Whether the participant changed their mind (1) or not |
| Type | Trial type: ‘Correct, no change’, ‘Incorrect, no change’, ‘Correct to incorrect’ or ‘Incorrect to correct’ |
| DeltaSampling | Difference in time spent on each circle in the sampling phase, calculated as Left - Right |
| ZDeltaSampling | Different in time spent on each circle in the sampling phase, calculated as Left – Right, z-transformed at the participant level |
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